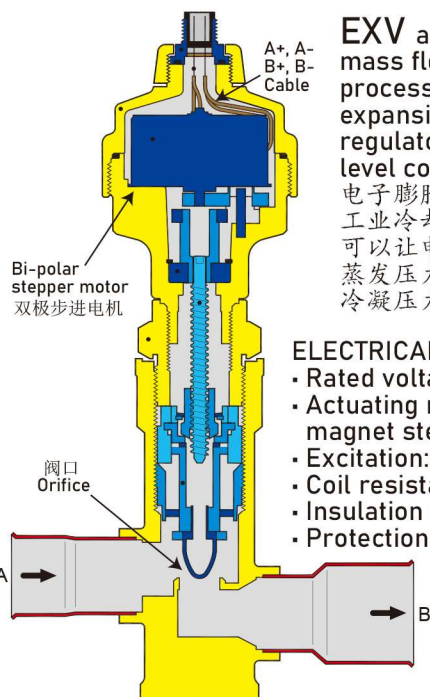


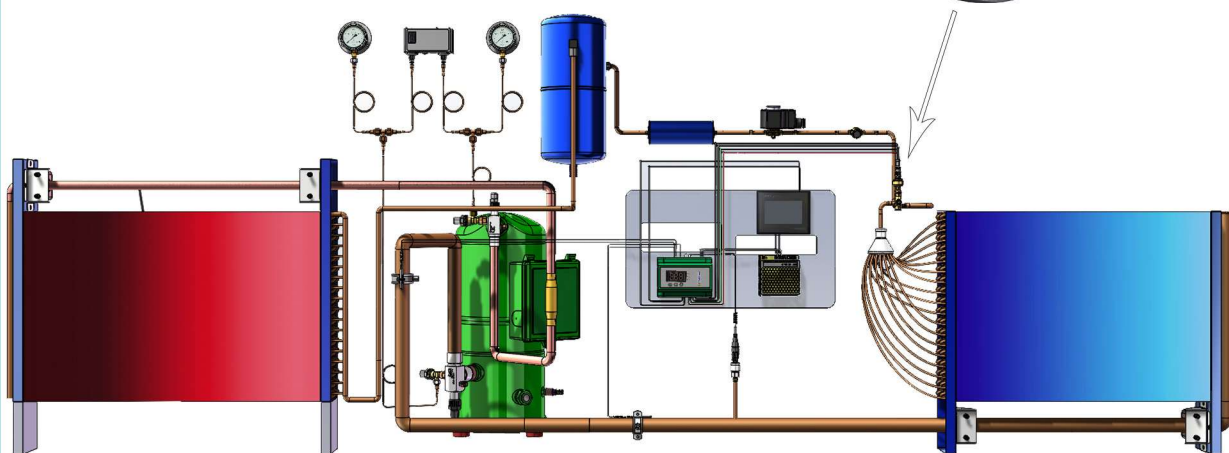


EXV are stepper motor driven valves for precise control of refrigerant mass flow in air conditioning, refrigeration, heat pump, chiller & industrial process cooling applications. The Control Valves can be used as thermal expansion duty, liquid injection duty, hot gas bypass, evaporator pressure regulator, crankcase pressure regulator, head pressure regulator, liquid level control.

电子膨胀阀是步进电机驱动阀，用于精确调节制冷、空调、热泵、冷水机及工业冷却系统中的制冷剂质量流量。逻辑控制器可以让电膨用作膨胀阀、喷液冷却、热气旁路、蒸发压力调节阀、曲轴箱压力调节阀、冷凝压力调节阀或制冷剂液位控制。

ELECTRICAL PARAMETERS

- Rated voltage: 12VDC, rectangular wave
- Actuating mode: 2-phase 4-step permanent magnet stepper motor
- Excitation: 2 phase excitation, bi-polar actuation
- Coil resistance: $52 \pm 5.2\Omega/\text{coil}$ (20°C)
- Insulation coil class: E
- Protection class: IP 67



COOLING CAPACITIES

Model	Steps Completely Open	Nominal Cooling Capacity [kW]												
		R134a	R407A	R407C	R407F	R404A R507A	R410A	R32	R290	R454B	R454C	R455A	R1234yf	R1234ze
VPF12.5	2600	54	67	71	76	50	82	126	77.4	101.2	66.1	72.8	41.9	43
VPF25	2600	116	144	152	162	108	176	262	160.8	210.1	137.2	151.1	87	92
VPF50	2600	221	275	290	310	206	336	527	323.1	422.3	275.7	303.6	173	175
VPF100	3500	319	397	418	447	297	484	748	458.9	599.7	391.6	431.3	248	253
VPF150	3800	574	714	752	804	534	871	NA	NA	NA	NA	NA	432	455
VPF250	3800	892	1108	1168	1249	830	1353	NA	NA	NA	NA	NA	692	706
VPF400	3800	1495	1857	1958	2094	1392	2269	NA	NA	NA	NA	NA	1161	1183

Note: 1) Nominal conditions : Condensing temperature = 38°C / Evaporating temperature = +4.4°C / liquid temperature = 37°C
2) For refrigerants with glide, performances are given in dew point

